

INTERNATIONAL SEARCH REPORT

International Application No

PCT/DE2005/000381

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 F15D1/06 B64C23/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B64C B64D F15D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	EP 0 422 746 A (DATAPRODUCTS NEW ENGLAND, INCORPORATED) 17 April 1991 (1991-04-17)	1-3,5-9
A	column 6, line 1 - column 8, line 43; figures 5,6	4
Y	US 6 376 971 B1 (PELRINE RONALD E ET AL) 23 April 2002 (2002-04-23)	1-3,5-9
	column 1, line 43 - column 2, line 2 column 2, lines 39-47 column 3, lines 48-59	
A	column 11, line 51 - column 12, line 34; figure 1f	4
A	US 6 358 021 B1 (CABUZ CLEOPATRA) 19 March 2002 (2002-03-19)	1,6
	the whole document	
	-/-	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

1 June 2005

Date of mailing of the international search report

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 774 252 A (LIN ET AL) 30 June 1998 (1998-06-30) column 2, line 55 - column 5, line 23; figures 1-4	1,6
A	DE 44 46 031 A1 (DEUTSCHE FORSCHUNGSANSTALT FUER LUFT- UND RAUMFAHRT EV, 51147 KOELN, D) 27 June 1996 (1996-06-27) the whole document	1,6
A	US 4 690 353 A (HASLIM ET AL) 1 September 1987 (1987-09-01) the whole document	1,6

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/DE2005/000381

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0422746	A	17-04-1991	US 4982121 A AT 118196 T DE 69016736 D1 DE 69016736 T2 EP 0422746 A2	01-01-1991 15-02-1995 23-03-1995 01-06-1995 17-04-1991
US 6376971	B1	23-04-2002	US 6343129 B1 US 2002050769 A1 US 2002122561 A1 US 2003214199 A1 US 6543110 B1 US 6545384 B1 JP 2001524278 T WO 9835529 A2 US 6781284 B1 AU 6230800 A AU 7052000 A EP 1212800 A1 EP 1221180 A2 JP 2003505865 T JP 2003506858 T WO 0106579 A2 WO 0106575 A1 US 2004008853 A1 US 6812624 B1 US 2004232807 A1 US 2004263028 A1 AU 4905801 A AU 5288301 A WO 0158973 A2 WO 0159852 A2 US 2001026165 A1 US 2002008445 A1	29-01-2002 02-05-2002 05-09-2002 20-11-2003 08-04-2003 08-04-2003 27-11-2001 13-08-1998 24-08-2004 05-02-2001 05-02-2001 12-06-2002 10-07-2002 12-02-2003 18-02-2003 25-01-2001 25-01-2001 15-01-2004 02-11-2004 25-11-2004 30-12-2004 20-08-2001 20-08-2001 16-08-2001 16-08-2001 04-10-2001 24-01-2002
US 6358021	B1	19-03-2002	AU 2006602 A CA 2427822 A1 EP 1332547 A1 WO 0237661 A1	15-05-2002 10-05-2002 06-08-2003 10-05-2002
US 5774252	A	30-06-1998	NONE	
DE 4446031	A1	27-06-1996	FR 2728534 A1 GB 2296696 A ,B	28-06-1996 10-07-1996
US 4690353	A	01-09-1987	NONE	